

Amendments to the Abstract

Please add the following abstract on a separate sheet:

AbstractShaped Flow Distribution in Filtration Cassettes

The present invention improves the flow dynamics about the leading edges of the sealed apertures within a filtration cassette by flowing a sealing resin so that it protrudes into the main passageway defined by the porous screens thereof. The sealing resin defines at least an end portion of a fluid channel in each passageway. Desirably, the sealing resin extends into the passageway so as to significantly reduce or eliminate the formation of the non-uniformities in fluid flow therethrough. The porous mesh may define apertures shaped so as to direct the resin during vacuum drawing to a desired location in the flow channels. The porous mesh may further include a shaped perimetrical edge which also assists in the drawing of a flowable resin into the porous mesh to further define the flow channels so as to significantly reduce or eliminate the formation of non-uniformities in the fluid flow.